

CLAIMS

1. A computer program product located to one or more storage media devices usable to perform integration of free text with coded data, said computer program product comprising instructions executable by a computer to perform the functions of:
 - accessing a database of structured data, the structured data comprising a set of data tuples wherein is contained information according to a coded data format;
 - accessing a source of free text, the free text being relatable to the data tuples of the structured data;
 - interpreting the free text to produce a set of construed data reflecting at least one relational fact conveyed in the free text, each construed datum relatable to a data tuple of the structured data; and
 - integrating the produced data with the data tuples of the structured data, said integrating producing integrated data.
2. A computer program product according to claim 1, wherein said accessing a source of free text accesses text contained within the database of structured data.
3. A computer program product according to claim 1, wherein said accessing a source of free text and said accessing a database of structured data access two separate data sources.
4. A computer program product according to claim 1, wherein said instructions are further executable to perform the function of applying caseframes while performing said interpreting the free text.
5. A computer program product according to claim 1, wherein said instructions are further executable to perform the function of producing a new database containing the integrated data produced by said integrating.
6. A computer program product according to claim 1, wherein said instructions are further executable to perform the function of inserting the produced data into the database of structured data

while performing said integrating the produced data.

7. A computer program product according to claim 1, wherein said instructions are further executable to perform the function of creating a new database while performing said integrating the produced data.
8. A computer program product according to claim 7, wherein the instructions are further executable to produce a new relational database containing the integrated data produced by said integrating.
9. A computer program product according to claim 7, wherein the instructions are further executable to produce a file containing the integrated data produced by said integrating.
10. A computer program product according to claim 9, wherein the instructions are further executable to produce a file having a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.
11. A computer system including a computer program product according to claim 1, further comprising:
 - a processing unit coupled to said one or more storage media devices, said processing unit being capable of executing said instructions; and
 - an execution command unit, whereby operation of said instructions and said processing unit may be commanded or controlled.
12. A computer program product according to claim 1, wherein said instructions are further executable to store an integrated database while performing said integrating the produced data.
13. A computer program product according to claim 1, wherein the integrated data produced by the performance of said integrating the produced data includes reference information to the original free text for construed data.
14. A computer program product according to claim 1, wherein said instructions are further

executable to perform data mining on the integrated data.

15. A computer program product according to claim 1, wherein said instructions are further executable to render a visual representation all or a part of the integrated data.

16. A method of integrating free text and coded data, comprising the steps of:
accessing a database of structured data, the structured data comprising a set of data tuples
wherein is contained information according to a coded data format;
accessing a source of free text, the free text being relatable to the data tuples of the structured
data;
interpreting the free text to produce a set of construed data reflecting at least one relational fact
conveyed in the free text, each construed datum relatable to a data tuple of the structured
data; and
integrating the produced data with the data tuples of the structured data, said integrating
producing integrated data.

17. A method according to claim 16, wherein said accessing a source of free text accesses text
contained within the database of structured data.

18. A method according to claim 16, wherein said accessing a source of free text and said accessing
a database of structured data access two separate data sources.

19. A method according to claim 16, further comprising the step of applying caseframes while
performing said interpreting the free text.

20. A method according to claim 16, further comprising the step of producing a new database
containing the integrated data produced by said integrating.

21. A method according to claim 16, further comprising the step of inserting the produced data into
the database of structured data while performing said integrating the produced data.

22. A method according to claim 16, further comprising the step of creating a new database while performing said integrating the produced data.
23. A method according to claim 22, further comprising the step of producing a new relational database containing the integrated data produced by said integrating.
24. A method according to claim 22, further comprising the step of producing a file containing the integrated data produced by said integrating.
25. A method according to claim 24, wherein the produced file has a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.
26. A method according to claim 16, further comprising the step of storing an integrated database while performing said integrating the produced data.
27. A method according to claim 16, wherein the integrated data produced by the performance of said integrating the produced data includes reference information to the original free text for construed data.
28. A method according to claim 16, further comprising the step of data mining the integrated data.
29. A method according to claim 16, further comprising the step of rendering a visual representation all or a part of the integrated data.